



WHAT WILL THE
CREW-2 ASTRONAUTS
DO ON THE
SPACE STATION?

Science!

1

00:00:01,001 --> 00:00:05,004

Four astronauts are launching on NASA's SpaceX Crew-2 mission to the International Space Station

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00:00:06,005 --> 00:00:10,509

While launch day is a blast, we go to space to do science and research!

3

00:00:10,509 --> 00:00:16,180

That's really the goal of our being up there. We'll be doing hundreds of different science experiments in the six

4

00:00:18,849 --> 00:00:24,020

Astronauts spend their time unlocking discoveries not possible on Earth

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00:00:25,020 --> 00:00:30,291

Using microgravity to conduct science experiments that will benefit us on the ground

6

00:00:30,291 --> 00:00:40,032

Whether it's biology, material science, fluid mechanics, even medical experiments – we'll do that.

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00:00:41,533 --> 00:00:45,670

The orbiting laboratory also provides the perfect place to study our Earth

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00:00:45,670 --> 00:00:51,174

From 250 miles above its surface

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00:00:51,675 --> 00:00:56,512

Astronauts make critical observations of natural disasters and how human-caused activities change Earth's land

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00:00:56,512 --> 00:01:03,518

Everyday, you do research that you couldn't be doing on the ground because those phenomenas that we're loo

11

00:01:05,019 --> 00:01:09,489

Flying more astronauts to the space station means more time for station science

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00:01:10,690 --> 00:01:16,361

The research will prepare us for missions further from home, to the Moon and, one day, Mars

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00:01:16,361 --> 00:01:23,367

We're just going to do a bunch of nice research and science that's going to benefit all of humanity or it's going t

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00:01:23,367 --> 00:01:26,002

So, that's exciting to be a part of something that's that grand.

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00:01:27,003 --> 00:01:30,005

But it's not just astronauts doing the work

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00:01:32,007 --> 00:01:37,011

Instruments on the space station study Earth, too

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00:01:39,012 --> 00:01:43,016

Collecting data on the changing climate, plant life, and natural disasters

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00:01:45,017 --> 00:01:48,687

The station's 90-minute orbit takes it over 90% of the Earth's population

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00:01:50,355 --> 00:01:55,359

Giving researchers a unique vantage point for studying our planet